Special Issue in honor of Pauline van den Driessche

Photo of Pauline van den Driessche xii
S. Kirkland, J.J. McDonald, D.D. Olesky and M.J. Tsatsomeros
Preface 1
F. Barioli, S. Fallat and L. Hogben
On the difference between the maximum multiplicity and path cover number for tree-like graphs 13
M. Catral, M. Neumann and J. Xu
Proximity in group inverses of M-matrices and inverses of diagonally dominant M-matrices 32
P. Lancaster
Isospectral vibrating systems. Part 1. The spectral method 51
C. Jeffries
Bipartite and tripartite systems and matrices from genetic control research 70
X.-D. Zhang
Eigenvectors and eigenvalues of non-regular graphs 79
C.R. Johnson and D.D. Olesky
Rectangular submatrices of inverse M-matrices and the decomposition of a positive matrix as a sum 87
C.C. McCluskey
A strategy for constructing Lyapunov functions for non-autonomous linear differential equations 100
M. Arav, F.J. Hall, S. Koyuncu, Z. Li and B. Rao
Rational realizations of the minimum rank of a sign pattern matrix . 111
M. Catral, M. Neumann and J. Xu
Matrix analysis of a Markov chain small-world model 126
L. Elsner
A note on generalized Hessenberg matrices 147
K.Ch. Das and R.B. Bapat
A sharp upper bound on the largest Laplacian eigenvalue of weighted graphs 153
M.-Q. Chen and X. Li
Spectral properties of a near-periodic row-stochastic Leslie matrix . . 166
Author index to volume 409 187

CONTENTS direct This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: **http://contentsdirect.elsevier.com**

Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Linear Algebra and its Applications 409 (2005) 187
LINEAR ALGEBRA AND ITS APPLICATIONS
www.elsevier.com/locate/laa

Author index to volume 409 (2005)

Arav, M., F.J. Hall, S. Koyuncu, Z. Li and B. Rao, Rational realizations of the minimum rank of a sign pattern matrix 409 (2005) 111

Bapat, R.B., *see* Das, K.Ch. 409 (2005) 153
Barioli, F., S. Fallat and L. Hogben, On the difference between the maximum multiplicity and path cover number for tree-like graphs 409 (2005) 13

Catral, M., M. Neumann and J. Xu, Matrix analysis of a Markov chain small-world model 409 (2005) 126
Catral, M., M. Neumann and J. Xu, Proximity in group inverses of M-matrices and inverses of diagonally dominant M-matrices 409 (2005) 32
Chen, M.-Q. and X. Li, Spectral properties of a near-periodic row-stochastic Leslie matrix 409 (2005) 166

Das, K.Ch. and R.B. Bapat, A sharp upper bound on the largest Laplacian eigenvalue of weighted graphs 409 (2005) 153

Elsner, L., A note on generalized Hessenberg matrices 409 (2005) 147

Fallat, S., *see* Barioli, F. 409 (2005) 13

Hall, F.J., *see* Arav, M. 409 (2005) 111
Hogben, L., *see* Barioli, F. 409 (2005) 13

Jeffries, C., Bipartite and tripartite systems and matrices from genetic control research 409 (2005) 70
Johnson, C.R. and D.D. Olesky, Rectangular submatrices of inverse M-matrices and the decomposition of a positive matrix as a sum 409 (2005) 87

Kirkland, S., J.J. McDonald, D.D. Olesky and M.J. Tsatsomeros, Preface 409 (2005) 1
Koyuncu, S., *see* Arav, M. 409 (2005) 111

Lancaster, P., Isospectral vibrating systems. Part 1. The spectral method 409 (2005) 51
Li, X., *see* Chen, M.-Q. 409 (2005) 166
Li, Z., *see* Arav, M. 409 (2005) 111

McCluskey, C.C., A strategy for constructing Lyapunov functions for non-autonomous linear differential equations 409 (2005) 100
McDonald, J.J., *see* Kirkland, S. 409 (2005) 1

Neumann, M., *see* Catral, M. 409 (2005) 32
Neumann, M., *see* Catral, M. 409 (2005) 126

Olesky, D.D., *see* Johnson, C.R. 409 (2005) 87
Olesky, D.D., *see* Kirkland, S. 409 (2005) 1

Rao, B., *see* Arav, M. 409 (2005) 111

Tsatsomeros, M.J., *see* Kirkland, S. 409 (2005) 1

Xu, J., *see* Catral, M. 409 (2005) 32
Xu, J., *see* Catral, M. 409 (2005) 126

Zhang, X.-D., Eigenvectors and eigenvalues of non-regular graphs 409 (2005) 79

Elsevier Inc.
doi:10.1016/S0024-3795(05)00429-5